

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	369	(704/211).OCLS.	US-PGPUB; USPAT	OR	OFF	2009/08/27 16:48
L2	105	L1 and (speech with segment)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/27 16:48
L3	9	L2 and "feature vector"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/27 16:48
L4	166	(704/216).OCLS.	US-PGPUB; USPAT	OR	OFF	2009/08/27 16:48
L5	3337	"feature vector" and phase	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/27 16:48
L6	3	L4 and L5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/27 16:48
L7	23	"feature vector" and (matrix with decompos\$4) and (distance near2 vector)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/27 16:48
L8	1123	"feature vector" and (distance near2 vector)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/27 16:48
L9	1	L1 and L8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/27 16:48
L10	1	("3828132").PN.	US-PGPUB; USPAT	OR	OFF	2009/08/27 16:48
L11	37	"feature vector" and (matrix with decompos\$4) and phase	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/27 16:48
L12	6	(US-20020143526-\$ or US-20030055630-\$ or US-20020035469-\$). did. or (US-5537647-\$ or US-7058569-\$ or US-6275795-\$ or US-5749064-\$).did.	US-PGPUB; USPAT	OR	ON	2009/08/27 16:48

L13	248	"feature vector" with phase	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/27 16:48
L14	4	L13 and "pitch period"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/27 16:48
L15	5	L13 and (matrix with decompos\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/27 16:48
L16	2	L12 and diphone	US-PGPUB; USPAT	OR	ON	2009/08/27 16:48
L17	829791	(extract\$3 determin \$3) with (portion segment sample)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/27 16:48
L18	8727	L17 and "704".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/27 16:48
L19	1019	L18 and "feature vector"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/27 16:48
L20	177	(L1 L2) and L17	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/27 16:48
L21	11	L20 and "feature vector"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/27 16:48
L22	1	("4,908,865").PN.	US-PGPUB; USPAT	OR	OFF	2009/08/27 16:48
L23	2996	cluster\$4 and (distance near3 vector)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/27 16:48
L24	2883	(cluster clustering) and (distance near3 vector)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/27 16:48
L25	326	L24 and "704".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/27 16:48
L26	27	L25 and diphone	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/27 16:48
L27	1274	"feature vector" and cosine	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/27 16:48
L28	197	"feature vector" with cosine	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/27 16:48

L29	371	"feature vector" with (cosine "dot product")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/27 16:48
L30	951	zero same (pad\$3 with (left right symmetric\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/27 16:48
L31	19	L30 and "704".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/27 16:48
L32	183	(704/245).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/08/27 16:48
L33	38	"1 - cos"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/27 16:48
L34	2969	"704".clas. and (((difference distance) same vector)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/27 16:48
L35	99	"704".clas. and (((difference distance) with formula) same vector)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/27 16:48
L36	23	L35 and cosine	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/27 16:48
L41	234120	("37" "38" "39" "40") and pitch	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/08/27 16:51
S38	294	(704/211).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/06/07 06:23
S39	85	S38 and (speech with segment)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 06:23
S40	8	S39 and "feature vector"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 06:23
S41	140	(704/216).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/06/07 06:23
S42	2334	"feature vector" and phase	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 06:23
S43	2	S41 and S42	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 06:23

S44	16	"feature vector" and (matrix with decompos\$4) and (distance near2 vector)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 06:23
S45	775	"feature vector" and (distance near2 vector)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 06:24
S46	1	S38 and S45	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 06:24
S47	1	("3828132").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/07 06:24
S48	23	"feature vector" and (matrix with decompos\$4) and phase	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 14:11
S49	7	(US-20020143526-\$ or US-20030055630-\$ or US-20020035469-\$). did. or (US-5537647-\$ or US-7058569-\$ or US-6275795-\$ or US-5749064-\$). did.	US-PGPUB; USPAT	OR	ON	2007/06/07 06:24
S50	163	"feature vector" with phase	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 06:24
S51	2	S50 and "pitch period"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 06:24
S52	1	S50 and (matrix with decompos\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 06:24
S53	3	S49 and diphone	US-PGPUB; USPAT	OR	ON	2007/06/07 06:24
S54	660286	(extract\$3 determin\$3) with (portion segment sample)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 06:25
S55	5877	S54 and "704".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 06:25
S56	723	S55 and "feature vector"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 06:26
S57	134	(S38 S39) and S54	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 06:25

S58	10	S57 and "feature vector"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 06:53
S59	1	("4,908,865").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/07 10:53
S60	2105	cluster\$4 and (distance near3 vector)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 10:53
S61	2021	(cluster clustering) and (distance near3 vector)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 10:53
S62	235	S61 and "704".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 10:54
S63	21	S62 and diphone	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 10:54
S64	811	"feature vector" and cosine	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 14:11
S65	116	"feature vector" with cosine	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 14:38
S66	227	"feature vector" with (cosine "dot product")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/08 11:23
S67	722	zero same (pad\$3 with (left right symmetric\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/08 11:30
S68	10	S67 and "704".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/08 11:30
S69	150	(704/245).OCLS.	US-PGPUB; USPAT	OR	OFF	2007/06/08 16:10
S70	29	"1 - cos"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/08 16:31
S71	2109	"704".clas. and (((difference distance) same vector)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/08 16:32
S72	81	"704".clas. and (((difference distance) with formula) same vector)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/08 16:33

S73	15	S72 and cosine	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/08 16:33
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**EAST Search History (Interference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L37	6	(704/211).CCLS.	UPAD	OR	OFF	2009/08/27 16:50
L38	3	(704/216).CCLS.	UPAD	OR	OFF	2009/08/27 16:50
L39	39	(704/216).CCLS.	US-PGPUB; UPAD	OR	OFF	2009/08/27 16:51
L40	92	(704/211).CCLS.	US-PGPUB; UPAD	OR	OFF	2009/08/27 16:51
L42	152818	("37" "38" "39" "40") and pitch	USPAT; UPAD	OR	ON	2009/08/27 16:51
L43	4	(l37 l38 l39 l40) and pitch	USPAT; UPAD	OR	ON	2009/08/27 16:52

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